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YEGOROV,	ACLBAS B.D., kand.	NIHOVA, tekhn, nauk;	KOLDABHIKOVA,	A.I., kand.	tekhn, nauk,			
	Methods of d	etermining the	a coefficient o		pansion in gla	40.		
	Trucy VALLET	ekla no.37:67-	-70 '57. (GlassTestin		(MIRA 11:	1)		
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BARTENEY, O.M.; KOLBASNIKOVA, A.I.

Effect of various factors on glass tempering. Insh.-fiz.shur. no.5;
(MIRA 12:1)

1. Nauchno-issledovatel'skiy institut stekla, g. Moskva.

(Glass)

AUTHORS:

Demishev, G. K., Kolbasnikova, A. I.

72-58.-3-7/15

TITLE:

Supersonic Class Crinding (Shiifovka stekla s pomoshch'yu

ul'trazvuka)

PERIODICAL:

Steklo i Keramika, 1958, Vol. 15, Nr 3, pp. 25-29 (USSR)

ABSTRACT:

Works on the application of supersonic oscillations for boring, drilling, and cutting of glass, ceramics, germanium and other hard materials are available by N. Klark, D. P. Aloizio, L.B. Pirozhnikov, I.S. Vaynshtok, I.V. Metelkin (reference 1). Following a suggestion by N. P. Krasnikov and V.S. Pod"yel'skiy (reference 2) M. A. Bezborodov, A. A. Gezburg and N. P. Krasnikov (reference 1) utilized this manufacturing method for the grinding of plane glass sur faces. Investigations on this method of grinding where also carried out by G. M. Bartenev, A. I. Kolbasnikova, I. S. Vaynshtok and G. K. Demishev in the Institute for Glass. The plant, in the acquisition and mounting of which participated I.S. Vaynshtok and V. M. Antonov (reference 3), comprises the generator ZG-24 , the amplifier TU-600, the

Card 1/3

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Supersonic Class Grinding

72-58-3-7/15

frequency-meter ICh -6, the rectifier VG-2, the autotransformer LATR -1 and others. The design of vibrator corresponds to that described by Klark in his work. The total view of the grinding wheel is given in figure 1. The grindingtool represented in figure 2, proved to be the most suitable one. Moreover, the grinding operation is described. The quality of the surface was exammend by means of a double microscope of the type MIR-11. As may be seen from table 1, the ground quality of the surface does not depend on the period of grinding, whereby grinding with the narrow face of the grinding tool- under equal conditions - results always in a coarser surface than grinding with the wide lateral face. The mechanism of the grinding operation was described in the monograph by N. N. Kachalov (reference 1). The grinding results with various specific pressures of grinding are given in tabel 2. As may be seen from this, it has no effect on the quality or the surface, just like the grinding with various amplitudes of vibration (figure 3). Approximately the same quality of surface is achieved with supersonic grinding as with the ordinary grinding-method.

Card 2/3

Supersonic Glass Grinding

There are 2 figures, 3 tables, and 7 references, 6 of

ASSOCIATION: Institut stekla (Institute for Glass)

1. Glass—Machining: 2. Ultrasenic radiation—Applications

Card 3/3

AUTHORS:

Bartenev, U. M., Kolbasnikova, A. I. 57-28-6-11/34

TITLE:

On the Comparison of the Theory of Class Hardening With Experimentation (K sravneniyu teorii

zakalki stekla s eksperimentom)

PERIODICAL:

Zhurnal Tekhnicheskoy Fiziki, 1958, Vol. 28, Nr 6,

ABSTRACT:

Class hardening is at present being used in an ever--increasing degree as an effective method of increasing the strength and the thermal durability of glass products, especially for the production of new solid technical glass. The method of hardening has already types of extremely been described previously (references 1 and 2). The elasticity theory (reference 1) leads to the following formula for internal tensions in hardened flat glass:

 $\frac{E}{1-\mu}(\varepsilon-\overline{\varepsilon})$. (1). Finding the mathematical form of the function F(x, d) is the basic problem of the theory of glass hardening. The tensions of the elongation

Card 1/4

On the Comparison of the Theory of Glass Hardening 57-28-6-11/34

 $G = G_{x} = G_{z}$ in the central plane of the hardened plate are $G = \frac{BE}{1-\mu} T_{g} \varphi(G) = K \varphi(G)$ (2)

Renewed investigation of the influence exercised by physical properties upon the amount of hardening-tensions experimental data with the formula (2). The authors experimental data with the formula (2). The authors were selected in such a manner that there was considerable worked-out results (figure 2) of experimental data were given in dimensionless parameters (6) and ha which make it possible to compare the hardening formula; with the experiment. dependences agrees with the experiment. This is probably inaccurate data. As a result of the generalization of experimental data (figure 2) the dependence of the

Card 2/4

On the Comparison of the Theory of Glass Hardening 57-28-6-11/34

hardening function on the criterion of Bio (upper curve)
degree of hardness according to formula (2). The analytical
form of this dependence at ha > 0,5, which practically
comprises all cases occurring in the technology of hardening,
can be expressed in the approximation by the formula

(6) = 0,236².

At present degrees of hardness were attained which
(reference 2) that where the limiting value theoretically
of increasing the degree of hardness are exhausted.
Experimental data (figure 2) and the amount of the maximum
degree of hardness $\Psi(d) = 0,69$, which were calculated

Card 3/4

lead to the conclusion that the possibilities of (3)

On the Comparison of the Theory of Glass Hardening 57-28-6-11/34

increasing the strength of glass by hardening are not exhausted. There are 3 figures, 1 table, and 11 references, 11 of which are Soviet.

ASSOCIATION: Vsescyusnyy nauchno-issledovatel'skiy institut stekla, for Glass)

SUBMITTED: October 20, 1956

1. Glass—Hardening 2. Glass—Fechanical properties

3. Hardenability—Theory

Card 4/4

84313

2109 15.2120

8/170/60/003/009/006/020 B019/B060

AUTHORS:

Kolbasnikova, A. I.

TITLE:

The Effect of Prolynged High-temperature Heating on the

Strength of Class v

PERIODICAL:

Inshenerno-fisioheskiy shurnal, 1960, Vol. 3, No. 9,

PP - 44-47

TEXT: The authors made bending tests to study the influence of duration and temperature of heating on the strength of glass. Fig. 1 shows the bending strength of glass as a function of heating temperature in the range from 500 to 710 C. Previous tests had shown that there were no residual atresses left after a heating time of two hours and a subsequent cooling rate of 1°C/minute. As may be seen from Fig. 1, the strength of glass is dependent not only on the temperature of the thermal treatment, but also on the mechanical history of the samples. When heating over two hours the bending strength of samples polished at the edges is almost doubled. Fig. 2 shows that a heating time of 5 - 6 hours yields the best strength factors, regardless of the mechanical treatment. The Card 1/2

The Effect of Prolonged High-temperature Heating on the Strength of Glass

84313 \$/170/60/003/009/006/020 B019/B060

character of the mechanical pre-treatment influences the degree of strength increase. The main factors accounting for the strength increase, which attained a maximum of 13.8 in 2-mm glass and a maximum of 10.2 kg/mm2 in 6-mm glass, proved to be temperature and duration of heating. The cooling rate had a lesser effect. Also the effect of the thermal treatment on the strength of the glass surface was checked on the same types of glass. Hightemperature thermal treatment was found to cause no strength increase on the glass surface beyond 10.5 kg/mm² (6-mm glass). For 2-mm glass the

respective value is again 15.7 kg/mm². A. I. Ivanova (Ref. 4), I. I. Kitaygorodskiy, and A. I. Berezhnoy (Ref. 5), and G. Markus (Ref. 8) are mentioned. There are 2 figures and 9 references; 7 Soviet and 2 US.

ASSOCIATION:

Gosudarstvennyy nauchno-issledovatel'skiy institut stekla,

(State Scientific Research Institute of Glass, Moscow)

SUBMITTED:

June 13, 1959

Card 2/2

8/081/62/000/023/065/120 B180/B144

AUTHORS:

Demishev, G. K., Butovich, L. N., Kolbasnikova, A. I.,

TITLE:

Co 60 gamma ray detection of internal defects in certain electrically fused refractories during manufacture

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 23, 1962, 489, abstract 23K375 (Steklo. Byul. Gos. n.-i. in-ta stekla, no. 4 (113),

TEXT: The article describes a method for the systematic quality control of electrically produced refractories. Flaws and other cavities are detected by means of hard gamma-radiation from the isotope Co⁶⁰, using a wide beam and X-ray photography. Experimental work indicates the possibility of using this "gamma-ray" flaw detection on refractories of the "bakor-33" type. [Abstracter's note: Complete translation.]

Card 1/1

DEMISHEV, G.K.; BUTOVICH, L.N.; KOLBASNIKOVA, A.T.; GALDINA, N.M.

Commagraphic control of internal defects in fused refractories.

Ogneupory 27 no.6:288-292 '62. (MIRA 15:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut stokla.

(Gamma rays—Industrial applications)

(Refractory materials—Defects)

L 20500-65 EWT(m)/EWP(b)/EWP(e) ACCESSION NR: AP4049086 8/0072/64/000/011/0010/0012 AUTHOR: Barteney, G.M. (Doctor of chemical sciences); Folbasnikova, A. (Candidate of technical sciences) TITLE: The effect of high temperature treatment on glass surface strength SOURCE: Steklo i keramika, no. 11, 1964, 10-12 TOPIC TAGS: glass surface strength, high temperature treatment, annealed glass, glass ABSTRACT: Earlier findings by the same and other authors on the effect of various heat treatments on glass surface strength are discussed, after which the effect of prolonged processing at high temperature on sheet glass (5-6 mm or 2 mm thick), as well as on the same glass subjected to polishing and etching before heat treatment, is reported. Optimal strength was found for glass maintained at 650 C for 2 hours, will no change was observed upon treatment at other temperatures. After heating, the glass specimens were cooled at a degree min . left at room temperature for 24 hours, then sub ected to symmetrical bending stress. Under such treatment, the surface strength was found to assume values maiar terranc for the natural surface of sheet glass formed during drawing from the 1/3

L 20500-65
ACCESSION NR: AP 4049086

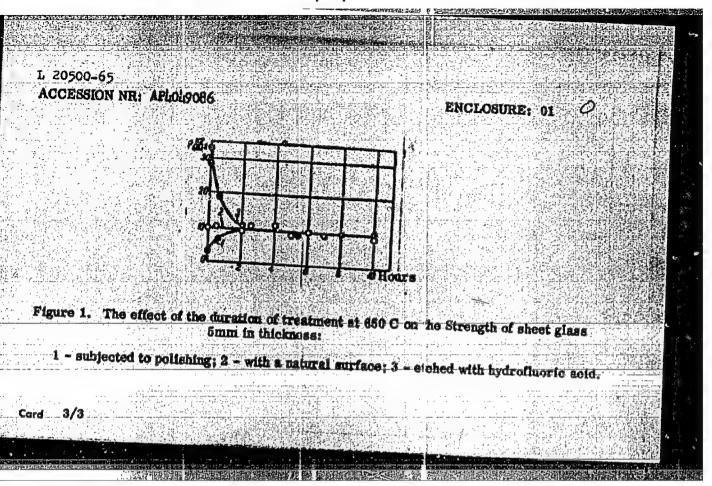
Viscous glass mass. This fact also explains why prior hardening of the surface before tempering is useless (see Fig. 1 of the Enclosure). The streigth of the natural surface of glass is a highly stable characteristic which does not chang: under the influence of high temperature. Manufactured sheet glasses represent poorly crystallizing systems even at ASSOCIATION: Kafedra fiziki tverdogo tela, MGPT imeni V.I. Lenina (Solid State Physics Department, MGPI); Institut stakia (Glass Institute)

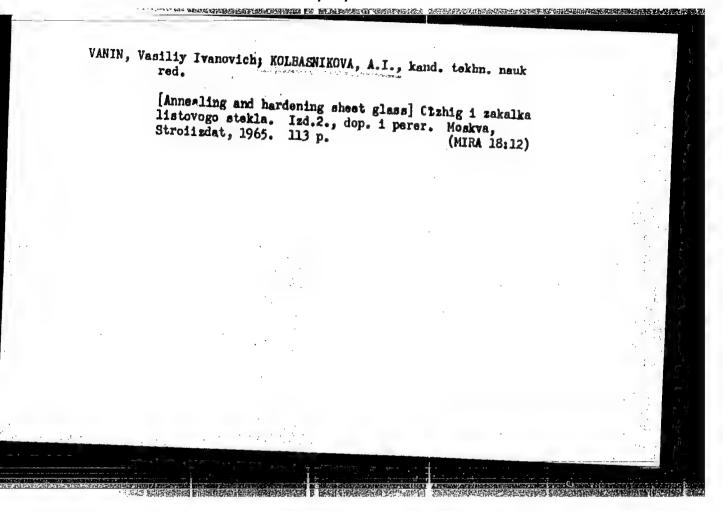
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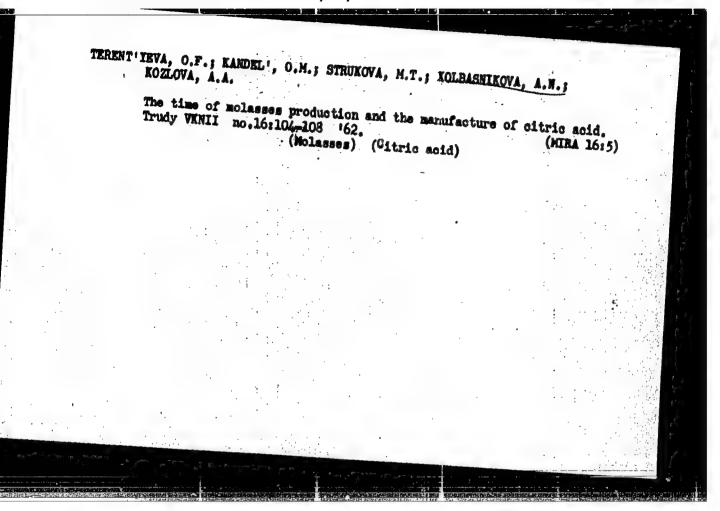




BIL'TYUKOVA, E.P., insh.; KOLBASNIKOVA, A.I., kand. tekhn.nauk; SAVITSKIY, M.R., kand. tekhn.nauk;

Conference of workers of the department of technical control and factory laboratories in the manufacture of structural and technical glass. Stek. 1 ker. 22 no.3147 Mr 165.

(MIRA 18:10)



APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723720011-8"

86109 16.1500 s/055/60/000/005/005/010 16.6500 C111/0222 AUTHOR: Kolbasinskiy, A.S. Some Generalizations of A.M. Ostrowski's Theorems on Iteration PERIODICAL: Vestnik Moskovskogo universiteta. Seriya I, matematika, mekhanika, 1960, No.5, pp. 40-48 TEXT: Let X be an Euclidean complex space, A be a Hermitean non-singular be a system of algebraic equations, where b is a known, and x is the sought $h = A^{-1}b$ be the solution of (1). If x is an approximate value of h then let and (4)Card 1/5

86199

8/055/60/000/005/005/010 C111/C222

Some Generalizations of A.M.Ostrowski's Theorems on Iteration Processes

The quadratic form $A(y_{x}) = \overline{y}_{x}^{1} Ay_{x}$ is called the error function. For an arbitrary initial vector x_{0} the sequence of approximations $\{x_{x}\}$ is constructed according to the following scheme: Let x_{x} be known; a) one chooses a subspace $E_{x}(x, b)$ one chooses a vector $d_{x}(x, b)$ so that

(5) $A\langle y_{2}-d_{2}\rangle = \min_{d\in E_{2}} A\langle y_{2}-d\rangle,$

- o) one chooses a number que(0,2), d) then it holds
- (6) $x_{k+1} = x_{k+1} x_{k+1}$

This construction is called an iteration; the sequence $\{E_{\mathbf{k}}\}$ is called the way of iteration; the numbers $q_{\mathbf{k}}$ are coefficients of relaxation. If the choice of the $E_{\mathbf{k}}$ depends on the intermediate results then the author calls it control of the way of iteration. Let $r^{\mathbf{k}}$ be the vector arising by a Card 2/5

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S/055/60/000/005/005/010 C111/C222

Some Generalizations of A.M.Ostrowski's Theorems on Iteration Processes

The letters $\infty, \beta, \delta, \mathcal{H}, \mu, \nu, G$, \mathcal{T} are indices or natural numbers.

Theorem 1: Let λ be positive definite in λ . For a certain \mathcal{T} and a certain \mathcal{T} of all \mathcal{H} \mathcal{H} and \mathcal{H} \mathcal{H} \mathcal{H} so that it holds

(8)

For an ast let

(9)
$$\sum_{n=0}^{\infty} \sin_{n}(2q_{n}-q_{n}^{2})$$

be divergent. Then the sequence $\{x_{e\ell}\}$ converges to the solution h of (1). Theorem 2: If in theorem 1 the condition (9) is replaced by: for all $e\ell$

(10) q_{2€}(€,2-€),

Card 3/5

86199 8/055/60/000/005/005/010 C111/C222

Some Generalizations of A.M.Ostrowski's Theorems on Iteration Processes then there exist numbers a and $0 \in (0,1)$ so that it holds

(11) 17215a0 2.

Theorem 3: If A is positive definite in all Ex but not in X then there exists an open set of initial vectors r for which the sequences {x} do not converge to the solution of (2) for an arbitrary choice of the qx of A set M of subspaces ECX is called "n-representing" in X if for n and all

max Ir" | > > | r | .

A way of iteration is called "quasicyclic with the period" if for and an 7>0 for all 3c the sets of the spaces {Ex. Ex.+1

Card 4/5

<u>L 13807-63</u>	
ACCESSION NR1 AP3004308 8/0030/63/000/007/0077/	0079
AUTHOR: Chernov, V. M.; Beresnikov, V. M.; Drevush, V. P.; Kolbasov, A.	
TITIE: Automatic registration of the growth of microorganisms	
SOURCE: AN SSSR. Vestnik, no. 7, 1963, 77-79	74
TOPIC TAGS: microorganism culture, growth registration, turbidimeter, pho Geneva movement	otoelement,
ABSTRACT: A device for the continuous automatic registration of change in rate of growth of microorganism cultures was developed for the purpose of toring the effects of additives (antibiotics, antimetabolites, etc.) to on the device consists of a twelve-place cultivating carousel electrically synized with a turbidimeter (see Fig. 1 of Enclosure). Motion is imparted the position Geneva-movement mechanism (1) by synchronous electric motor (2), rotates carousel (3) with culture tubes (4) (T ₁ ,T ₁₀) and control disphi(E _V and E _n) within thermostatic chamber (5), whose preset temperature is a by automatic regulator (6). Each cycle of the Geneva movement places a cutube (or one of the control disphragus) in front of electric bulb (7), who	moni- ultures, ynchro- to twelve- which regas saintained ulture
ard 1/32	

L 13807-63 ACCESSION NR: AP3004308 condensed by a lens (8), peaces through adjustable disphrage (9); light filter (10) calibrated disphrage (11), and a culture tube (4) which reaches photoelement (12). The signal from the photoelement varies with the change of biomess or density within the culture tube. The device allows for the stirring and scration of cultures by means of fluoroplastically coated magnets (15) within the culture tubes which are rotated by horseshoo magnets (M1...M12) powered by induction electric motor (14), whose speud is controlled by regulation (15). Signals from photoelement (12) proceed through turbidimeter input (16) to automatic registration device (17) via summator (18), which also receives a feelback voltage from the reochord of the registration device. The growth of cultures is recorded in separate curves (K1...K10) on perforated paper tape in different colored inks. The recording head is synchronized with the Geneva movement of the carousel by means of synchronizer (19). The use of a single metering channel assures high reliability. The absolute amount of the biomass can be obtained by comparison with the maximum and minimum density control disphragus (Ey and En). Power source (20) provides stabilized voltage current for the metering channel. Orig. art. has: 1 figure. ASSOCIATION: none SUBMITTED: 00 DATE ACQ: 15Aug63 ENCL: 01 SUB CODE: AM NO REP SOVE DOO OTHER: COO Card 2/3

CHERNOV, V.N.; EPSHTEYN, M.I.; BEREZIN, B.V.; KOLBASOV, A.N.

A device for the measurement of the illumination of microorganisms in different spectral regions, 300-1,000 mm.

Mikrobiologiia 33 no.1:172-175 Ja-F 164. (MIRA 17:9)

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1. Institut mikrobiologii AN SSSR.

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26,5200 **AUTHOR:**

Kolbasov, B. N.

S/649/61/000/139/016/018

1028/1228

TITLE:

Investigation of heat transferred to carbon dioxide in the region of thermodynamic

crisis of a turbulent flow in pipes

SOURCE:

Moscow. Institut inzhenerov zheleznodorozhnogo transporta. Trudy, no. 139. 1961. Teoriya podobiya i yeye primeneniye v teplotekhnike; trudy pervoi mezhvuzoskoy kon-

TEXT: A simple non-empirical method to determine the temperature at the surface of a channel cooled by carbon dioxide is proposed. Existing formulae for heat transfer in the region of thermodynamic crisis are so complex, as to need empirical corrections, and do not fit the experimental data; this fact prompted the present investigation. An experimental contour 6 m high, through which carbon dioxide flowed by convection was heated from below and cooled from above. The experimental section was placed horizontally in the upper part consisting of a steel pipe through which passes an alternating electric current. On the external surface were fixed thermocouples, which measured the temperature. The pressure, rate of flow, current, and the tension were recorded. The coefficient of heat transfer where the thermocouples were fixed was determined. The assembled data agrees with the formula:

 $Nu_c = 0.021 Re^{0.8}Rr^{0.43}(P_{T_w}/P_{T_c})^{0.25}$

(4)

Card 1/2

"APPROVED FOR RELEASE: 06/19/2000

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Investigation of heat...

S/649/61/000/139/016/018 I028/12**1**8

where the indexes c and w indicate parameters of the heat carrier and the wall, respectively. The Voskresenskiy-Turilina theoretical formula was tested and its agreement with experimental data found to be satisfactory. I. V. Yanushevich, O. B. Samoylov, and V. N. Robolovich are mentioned as having collaborated with the author. There are 4 figures.

ASSOCIATION: Moskovskiy inzhenero-fizicheskiy institut (Moscow Institute of Engineering and Physics)

Card 2/2

APPROVED CORRECEASE DG 19, 2000 LO REPRES DOLL HUNUTE

PONOMAREV-STEPNOY, N. N.; KOLBASOV, B. N.; VIYEVNOV, A. N.

"High-temperature gas cooled power reactor."

report submitted for 3rd Intl Conf, Peaceful Uses of Atomic Energy, Geneva, 31 Aug-9 Sep 64.

KOLBASOV. D. A. (Eng.); DOLGIKH, B. I. (Eng.)

Shoe Industry

Sewing of assorted styles and sizes of stock in sewing shops. Leg. Prom. 12 No. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952, Uncl

Kolbasov, D. N.

"Investigation of Heat Transfer and Thermal Properties of Carbon Dioxide in the Critical Region of Thermodynamic State."

Report presented at the Conference on Heat and Transfer. Minsk, USSR, 5-10 June 61

Library of Congress

26-58-4-7/45

AUTHOR:

Kolbasov, O.S., Candidate of Juridical Sciences

TITLE:

Lenin's Ideas on the Conservation of Natural Resources (Le-

ninskiye idei ob okhrane prirody)

PERIODICAL:

Priroda, 1958, Nr 4, pp 41-44 (USSR)

ABSTRACT:

Lenin stressed the importance of rational exploitation of natural resources according to scientific and technical principles, and during the first years after the Revolution the Soviet Government issued decrees and regulations for the protection of forests, parks and other natural objects of importance. Special agencies were established all over the USSR to enforce these regulations and heavy fines and punishments were imposed on violators. This policy is continued under the present Soviet rulers and will be intensified with

the growing industrialization of the country. There is 1 photo and 6 Soviet references.

ASSOCIATION:

Tomskiy gosudarstvennyy universitet imeni V.V. Kuybysheva

(Tomsk State University imeni V.V. Kuybyshev)

AVAILABLE:

Card 1/1

1. Natural resources-Conservation 2. Natural resources-USSR

KOLBASOV, V. A.

AUTHORS: Dianov-Klokov, V.I., and Kolbasov, V.A.

120-5-23/35

TITLE:

Bi-directional Photo-electric Interference-band Recorder (Dvunapravlennyy fotoelektricheskiy registrator

interferentsionnykh polos)

Interiorentationalism potos)

PERIODICAL: Pribory i Tekhnika Eksperimenta, 1957, No.5, pp. 95 - 99 (USSR).

ABSTRACT: The changing phase of the interference pattern is converted into a moving electric vector. A previous attempt at such an instrument (Ref.2) was successful only when the phase of the pattern changed monotonically. The present apparatus will also deal with changes in direction, and is intended for use with the proton refractometer due to Obreimov (Ref.1). It was developed in the optical laboratory of the INEOS Ac.Sc. USSR. Three photocells are used to receive the light. One receives the total flux, the other two receive light split equally by a wedge located opposite a narrow slit. By suitably combining the outputs of the cells, it is possible to derive signals proportional to the sum and difference of illuminations from symmetrical parts of an interference band. These component signals define a rotating electric vector. Fig. 2 shows how the modulus of this vector is affected by Card 1/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723720011 Bi-directional Photo-electric Interference-band Recorder.

the fraction of the interference band intercepted by the slit. The light source is a mercury arc fed from the mains and thus modulated at 100 c.p.s. Fig. 3 is a block diagram sowing how the modulated output currents from cells type \$\phi Y-25\$ are added and phase shifted \$\pm 45\$, passed through a tuned amplifier with a.g.c. to remove changes in signal strength and applied to the rotor of the synchronous indicator type BD-3. The complete circuit diagram of Fig.4 with component values shows the use of a transformer as smoothing choke in the power pack. The 100 c.p.s. ripple voltage across the secondary of the transformer feeds the stator of the indicator. The position of the interference pattern can be located to within 5 - 10% of a period when it is changing at a rate of 5 periods/sec. Seven valves are used. Assistance was received from Ye.A. Shibalov, D.D. Brezhnev, Zvagel'skiy, F.G. There are 4 figures and 5 references, 4 of which are Slavic.

ASSOCIATION:

Institute for Elemental-organic Compounds Ac. Sc. USSR (Institut elementoorganicheskikh soyedineniy AN SSSR)

SUBMITTED:

March 7, 1957.

AVAILABLE: Uard 2/2

Library of Congress

KOLBASOV, V.A.

AUTHORS:

Dianov-Klokov, V.I., Candidate of Physical-

67**-58** -2-11/26

Mathematical Sciences, Kolbasov, V.A., Engineer,

Lemarin'ye, K.N., Engineer

TITLE:

The Spectral Analysis of Nitrogen in Argon (Spektral'noye

opredeleniye primesey azota v argone)

PERIODICAL:

Kislorod, 1958, // Nr 2, pp. 49-51 (USSR)

ABSTRACT:

It is said in the introduction that this method has proved to be of practical use in Soviet plants. However, the apparatus used for this purpose have certain disadvantages as a result of which inaccurate results are obtained in individual cases. In order to prevent this, it is recommended in the course of this paper that the light sensitiveness of this apparatus be increased by summation of loads. In this case the individual pulses of the photocurrent are collected during the period of from 10-20 seconds in loading condensers. Meanwhile, the luminescent spot produces a straight line, the "arrow", the angle of which can easily be computed. The oscillographic tube "8 LO39" has a screen with afterglow, so that the "arrow" can be conserved for 1 minute. Centering of the beam is brought about by means of two revolving deflection coils.

Card 1/2

The Spectral Analysis of Nitrogen in Argon

67-58-2-11/26

Rough adjustment of the two analyzer channels is carried out by switching over the loading condensers, and fine adjustment is brought about by diaphragming the slots before the photomultipliers. In the rectifier of the feed block ferroresonance stabilization is applied. Selenium rods (ABC-7-3P) serve as valves. In the case of particularly pure gases it is recommended to use a collection of suitable filters instead of spectrographs. There are 3 figures, 3 references, all Soviet.

AVAILABLE:

Library of Congress

1. Nitrogen—Spectrum 2. Argon—Applications 3. Laboratory equipment—Operation

Card 2/2

37800

S/120/62/000/002/025/047 E039/E435

24,7900

Kolbasov, V.A., Mukhina, M.M., Nazarov, V.P.

TITLE:

AUTHORS:

Par made

A spectrometer for electron paramagnetic resonance absorption with a high frequency modulated magnetic

field

PERIODICAL: Pribory i tekhnika eksperimenta, no.2, 1962, 107-110

TEXT: This spectrometer can record electron paramagnetic resonance (E.P.R.) absorption in a sample containing paramagnetic centres at room temperature and at 77°K for wavelengths ~ 3 cm. The E.P.R. absorption signal is displayed on a long afterglow cathode ray tube or recorded on tape. A block diagram of the apparatus is given and also a circuit diagram of the recording apparatus. An adjustable rectangular resonator containing the sample is situated between the poles of an electromagnet, the field of which is modulated at a frequency of 465 Kc/s. The constant component of the magnetic field can be varied in the range 50 to 5000 cersteds and is stabilized to 0.01%. The recording apparatus consists essentially of a preamplifier which simultaneously amplifies the E.P.R. signal and the klystron Card 1/2

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723720011 \$/120/62/0007002/025/047 E039/E435

A spectrometer for electron ...

frequency (465 Kc/s and 295 Kc/s respectively); an indicator circuit for the amplification and recording of the E.P.R. signal and a high frequency generator. These circuits are described in detail. By simultaneously amplifying the E.P.R. signal and klystron frequency the number of tubes and other components is decreased, thereby increasing the reliability of the apparatus. In addition, the separation of the pre-amplifier and indicating circuits simplifies the problem of screening. The apparatus has been used for recording E.P.R. spectra of different classes of organic compounds. Its sensitivity is about 10 mole for the free radical of diphenylpicrylhydrazyl. There are 5 figures.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy AN SSSR (Institute of Elemental-Organic Compounds, AS USSR)

SUBMITTED: July 6, 1961

Card 2/2

KOLBASOV, V.A.; MIXHINA, M.M.; NAZAROV, V.P.

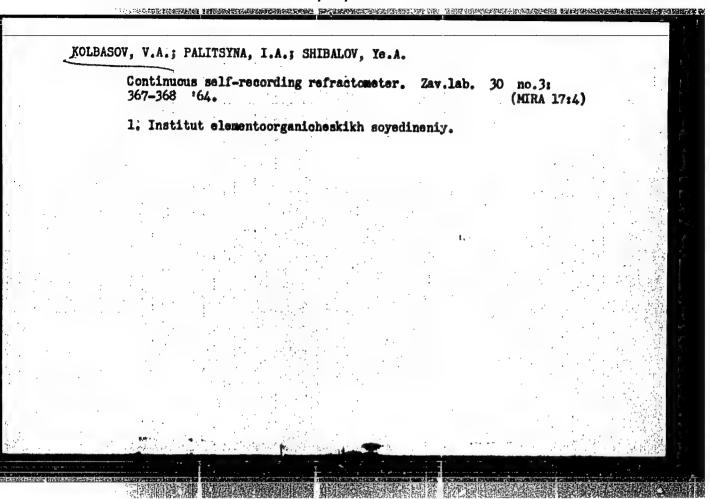
Electronic paramagnetic resonance absorption spectrometer allowing high-frequency magnetic field modulation. Prib. i tekh. eksp. 7 no.2:107-110 Mr-Ap '62. (MIRA 15:5)

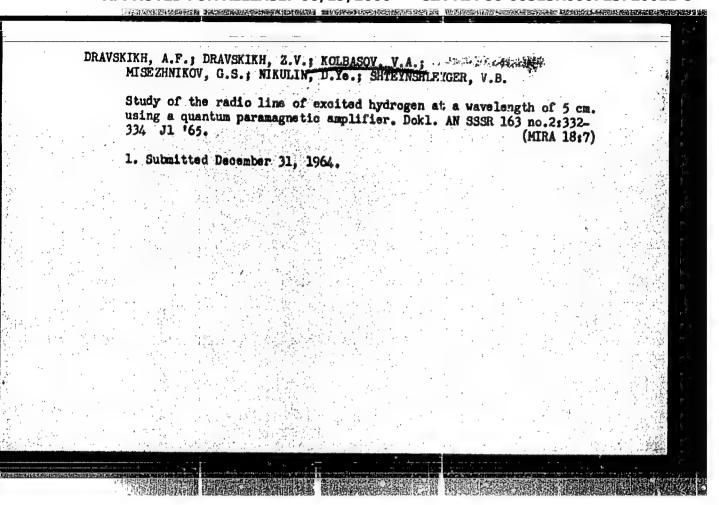
1. Institut elementoorganicheskikh soyedineniy AN SSSR. (Spectrometer) (Paramagnetic resonance and relaxation)

KOLBASOV, V.A.; MIKHINA, M.M.

Simple paramagnetic resonance spectrometer with high-frequency modulation of the electric field. Prib. i tekh. eksp. 8 no.1s (4.86 Ja-F '63. (KIRA 16:5)

1. Institut elementoorganicheskikh soyedinenty AN SSSR. (Paramagnetic resonance and relaxation) (Spectrometer)





公司的对称实现和**证明 E的**的制度的现在分词使用**的现在分词的**对于 L 1938-66 EWT(1)/FBD GW/WS-2 ACCESSION NR: APSOIB742 UR/0020/65/163/002/0332/033 AUTHOR: Dravskish, A. Z.; Dravskish, Z. Y.; Kolbasov Nikulin, D. Ye.; Shternshleyger, V. B. TITIE: Investigation of the radio line of excited hydrogen at 5 cm wavelength, using a quantum paramagnetic amplifier SOURCE: AN 888R. Doklady, v. 163, no. 2, 1965, 332-334 TOPIC TAGS: radio astronomy galaxy, galactic nebula, line intensity, line width, hydrogen line, quantum device ABSTRACT: Since stars are more likely to have excited hydrogen than neutral hydrogen, a study of the excited-hydrogen radio lines can yield information on the structure of the galaxy. The authors describe experiments made in 1964, which confirmed the presence of such a line, plotting its profile in the Omega nebula. This was made possible by using a traveling-wave quantum paramagnetic amplifier for 5-cm wavelength, operating at 4.2K, with gain of 25 db and bandwidth 26 Mc. The radiospectrograph used for the observation was a modulation-type radiometer with triple frequency conversion and contour analyzer. Two measurements were made (in May and July). In the first the spectrum from the nebula was compared with the radiation spectrum of the earth's atmosphere and analyzed in the 5.5-Mc band, and in the Card 1/2

L 1938-66 ACCESSION NR: AP9018742 second the comparison was with the rediction from A-Cygni and the analysis in the 3.5-Mc band, Similar results were obtained in both cases. A pronounced increase in the radiation from the nebula was observed in the 765 Mc region. The radioline intensity at the maximum is estimated at 3.8 ± 0.5% of the continuous spectrum, and the width at 50% intensity is 1.2 ± 0.5 Mc. The effect of the earth's rotation around the sum on the line position was also observed. The authors thank 8. E. Khayking Uu. M. Parlyskiyg D. Y. Korol'kovy P. A. Agadzhanov, Ye. A. Rozen-1 man, V. M. Turevskiy, V. P. Kosolapov, and O. N. Shiyull for useful discussions and help. This report was presented by V. A. Kotel'nikov. Orig. art. has: 4 figures. ASSOCIATION: none SUBMITTED: 24Dec64 ENCL: OO SUB CODE: AA
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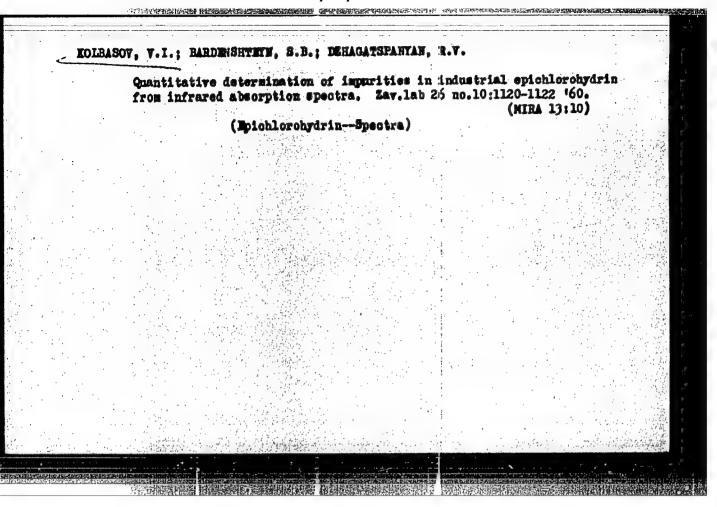
DZHAGATSPANYAN, R.V.; ZETKIN, V.I. Prinimali uchastives OSPELOV, V.Ye.;

KOLBASOV, Val.

Sulfooblorination of polyethylene under the action of Co⁶⁰ gamma radiation. Flant.massy no.1025-8 '64, (MIRA 17:10)

KOLBASOV, V.I., BARDENSHTEYE, S.B., DZHAGATSPANYAN, R.V.

Quantitative analysis of a mixtrue of monochlorides, based on their infrared absorption spectra. Zav.lab. 26 no.5:587-590 '60. (MIEA 13:7) (Chlorides--Spectra)



8/032/31/027/003/010/025 B101/B203

AUTHORS:

Kolbasov, V. I., Bardenshteyn, S. B., and Dzhagatspanyan, R. W

TITLE:

Quantitative analysis of crude trichloro ethane by means of

infrared absorption spectra

PERIODICAL:

Zavodskaya laboratoriya, v. 27, no. 3, 1961, 295-296

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TEXT: To elaborate an efficient method for the simultaneous production of perchloro-vinyl resin and trichloro ethane it was necessary to analyze the crude trichloro ethane which consisted of 50-60% 1, 2-dichloro ethane, 40-50% 1, 1, 2-trichloro ethane, and 3-5% tetrackloro ethanes. An analysis of the mixture by rectification takes much time (2-3 days) and is independable. The present paper describes a method for the quantitative analysis of crude trichloro ethane on the basis of infrared spectra taken with an MKC-14 (IKS-14) split-beam spectrophotometer. Such an analysis takes only about one hr. The infrared spectra of the substances concerned are described in publications: 1, 2-dichloro ethane (Ref. 1: A. Berton, Chim. analyt. 38, No. 6, 207 (1956); Ref. 2: G. Pirlot, Bull. Soc. chim. belges, 58, No. 1, 28 (1949); Ref. 3: J. K. Brown, N. Sheppard, Trans. Faraday Soc.

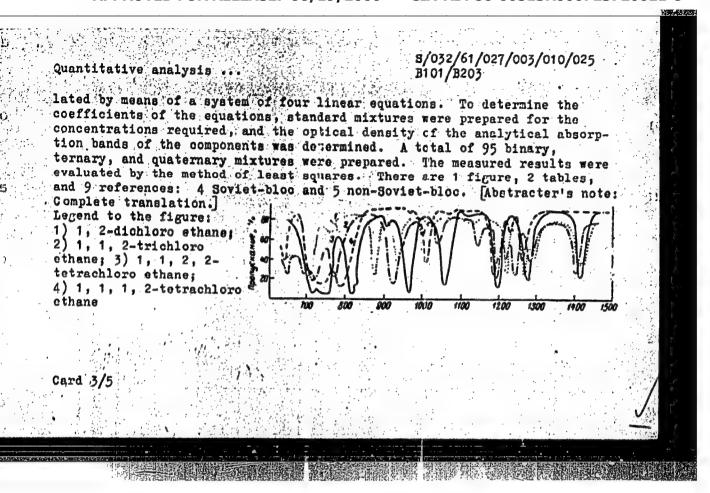
Card 1/5

8/032/61/027/003/010/025 B101/B203

Quantitative analysis ...

48, 128 (1952)); 1, 1, 2-trichloro ethane (Ref. 2); 1, 1, 1, 2-tetrachloro ethane (Ref. 2 and Ref. 4: I. R. Nielsen, C. Liang, Z. W. Daasch, J. Opt. Soc. Amer., 43, 1071 (1953)); 1, 1, 2, 2-tetrachloro ethane (Refs. 1, 2, 4); as well as the method for the quantitative determination of their mixtures (Ref. 2, Ref. 5: A. I. Finkel'shteyn, Ts. N. Roginskaya et al., Zavodskaya laboratoriya, XXV, 8, 932 (1959)). The proposed analysis of the quaternary mixture of 1, 2-dichloro ethane, 1, 1, 2-trichloro ethane, 1, 1, 1, 2- and 1, 1, 2, 2-tetrachloro ethane is distinguished from the analysis described in Refs. 2, 5 by the use of the MKC-14 (IKS-14) split-beam spectrometer, and the calculation of concentration on the basis of standard mixtures using the method of least squares (pentachloro ethane and 1, 1, 2, 2-tetrachloro ethane give superimposed bands at 1017 cm-1, and are determined summationally). CCl was used as a selvent. Well purified preparations made by E. Sonin, the constants of which agreed with published data, were employed (Table 1). The figure shows the infrared spectra of the four substances studied (thickness of the absorption layer 0.01 mm). The optical density was determined according to Ref. 6 (Z. Williams, Anal. Chem. 29, No. 10, 1551 (1957)), the concentration of components was calcu-

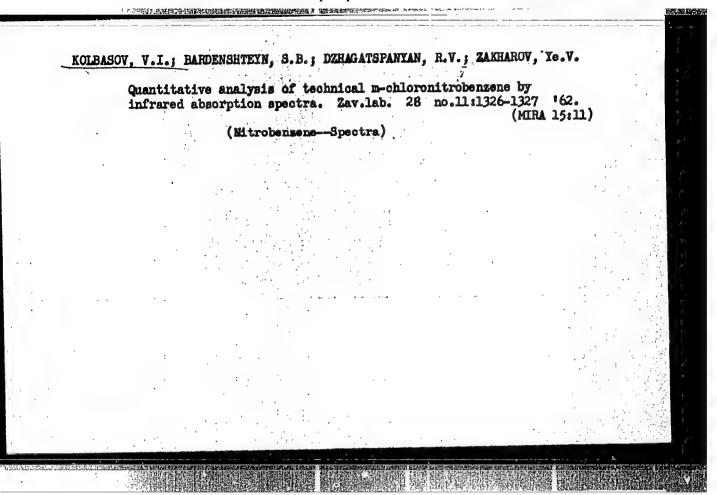
Card 2/5



KOLBASOV, V.I.; BARDENSHTEIN, S.B.; DZHAGATSPANYAN, R.V.;
Prinimala uchastiys: KIRICHEK, V.Ya.

Quantitative analysis of commercial hexachlorobenzene based on infrared absorption spectra. Zav.lab. 28 no.4:446-447
162. (MIRA 15:5)

(Bensene-Spectra)



KOLBASOV, V.I.; BARDENSHTEIN, S.B.; DZHAGATSPANYAN, R.V.

Quantitative analysis of impurities in chloroform from their infrared absorption spectra. Zav.lab. 29 no.8:938-940 !63.

(MIRA 16:9)

(Chloroform) (Organic compounds—Absorption spectra)

(Chemistry, Analytical—Quantitative)

MOTSAREV, G.V.; YAKUBOVICH, A.Ya.; ROZENBERG, V.R.; FILIPPOV, M.T.;
DZHAGATSPANYAN, R.V.; BARDENSHTEYN, S.B.; KOLBASOV, Y.I.;
ZETKIN, V.I.

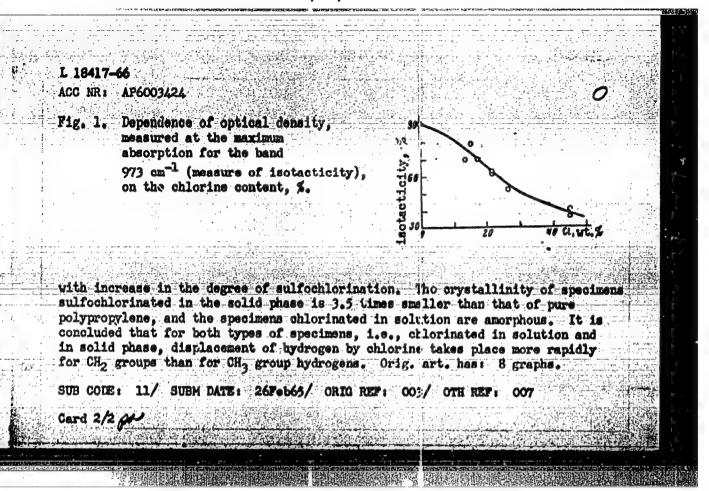
Halogenation of aromatic silanes. Part 17: Addition of chlorine to phenyl-trichlerosilane. Preparation of hexachlorocyclohexyl-trichlerosilane and the mechanism of its formation. Zhur. ob. khim. 35 no.7:1178-1183 J1 '65. (MIRA 18:8)

DZHAGATSPANYAN, R.V.; KOLBASOV. V.I.; BARDENSHTEYN, S.B.; KOROLEV, B.M.;
ROMAISKIY, I.A.; ZETKIH, V.I.

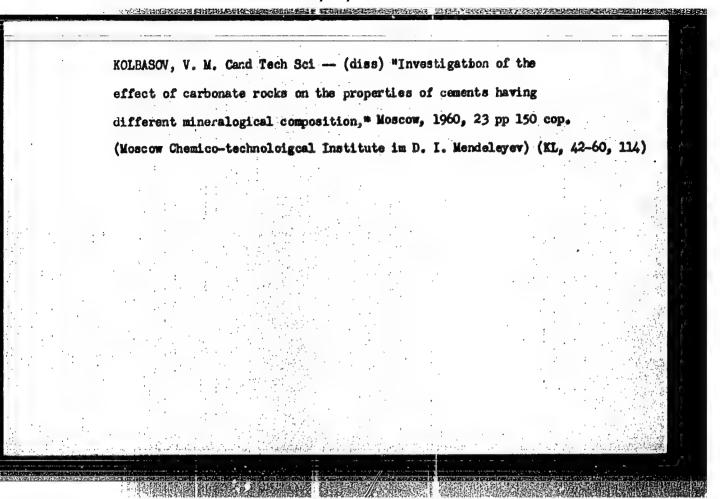
Structure of radiation chlorinated and sulfochlorinated polyethylene.
Vysokom. soed. 7 no.11:1959-1963 N '65. (MIRA 19:1)

1. Submitted December 26, 1964.

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	AUTHORS: Dahagatspanyan, R. V.; Bardenshteyn, S. B.; Kolbasov, V. I.; Korolev,
1 1	B. M. 58
	ORG: none
	성 보다는 하다 보통하는 경험에는 남자 발생한 경험을 하다니까? 중요한 경험을 들었다면서 하는 보다를 보고 있다면 하는 보다는 분들을 함께 하는 하는 것이 되어 있다면 하다.
	TITIE: Study of the structure of radiation chloringted and sulfochlorinated
	polypropylene / 44.55
	SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, nc. 1, 1966, 125-130
	TOPIC TAGS: polymer, polypropylene plastic, polymorization kinetics, IR spec-
	troscopy, spectroscopy, chlorination, organic compound
	ABSTRACT: The structure of sulfochlorinated polypropylene, sulfochlorinated by
	means of modication in the solid phase, use investigated by in spectroscopy of
ilit irv y	extend the work of R. V. Dahagatspanyan, L. M. Yakimenko, V. I. Zetkin, A. I. Gershenovich, and V. S. Pospelov (Avt. svid. 149773, 1961 g.; RZhkhim, 1963
- 7	OMEO) A seminarian of TD spootes of a specimen childringled in solution and in
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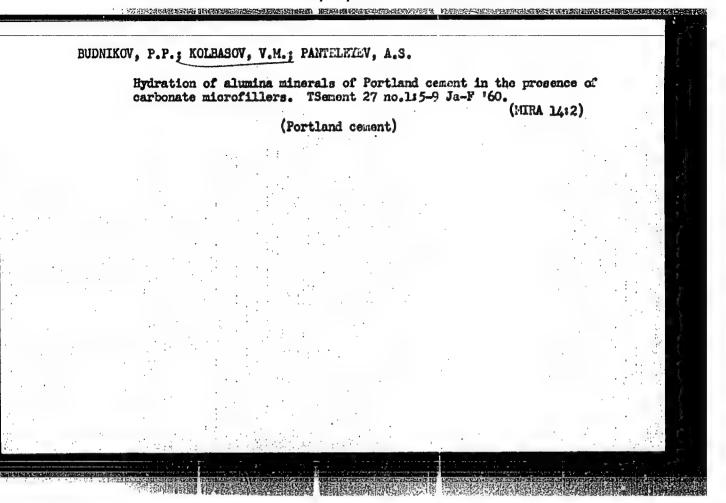


27304-66 EWT(m)/EPF(n)-2/EWP(j)/T/EWA(h)/EWA(1) IJP(c) AP6008980 SOURCE CODE: UR/0190/65/007/011/1959/1963 AUTHORS: Unhagatspanyan, R. V.; Kolbasov, V. I.; Bardenshteyn, S. B.; Korole B. M.; Romanskiy, I. A.; Zetkin, V. I. ORG: none 三十八年(李] Build of TITIE: The structure of radiation chlorinated and sulfochlorinated polyethylens SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 11, 1965, 1959-1963 TOPIC TAGS: polymer, polyethylene, chlorination, aliphatic compound, chlorine ABSTRACT: The structure of radiation chlorinated and sulfochlorinated polyethylene in the solid state and in solution was studied by IR spectroscopy. The polyethylene specimens were prepared after the method of R. V. Dahagatspanyan, L. M. Yakimenko, A. I. Gershenovich, and V. I. Zetkin (Avt. svid. No. 150625, 1961; Byull. izobreteniy, 1963, No. 20, 93). The IR spectra of the investigated compounds are presented. It was found that the IR spectra of bulk ridiation sulfochlorinated polyethylene were identical to those sulfochlorinated in bulk by chlorine. It is concluded that chlorination of the polymer occurs more readily in the amorphous phase than in the crystalline phase, Orig. art, has: 2 graphs. SUB CODE: 11/ SUBM DATE: 26Deo64 ORIG REF: 003/ OTH REF: 005 UDD: 678.01:53+678.743



Interaction between alumina-containing clinker minerals and calcium carbonate. Isv.vys.ucheb.sav.; khim.i khim tekh. 3 no.lr 199-203 '60. (MIRA 13:6)

1. Kafedra tekhnologii tsementonogo proisvodstva Moskovskogo khimiko-tekhnologicheskogo instituta im. D.I. Mendeleyeva. (Binding materials)



S/081/61/000/021/049/094 B110/B101

AUTHORS:

Budnikov, P. P., Kolbasov, V. M., Panteleyev, A. S.

TITLE:

Hydration of aluminum-containing minerals of Portland cement

in carbonate microfillers

PERIODICAL:

Referativnyy shurnal. Khimiya, no. 21, 1961, 311, abstract

21K307 (Teement, no. 1, 1961, 5 - 9)

TEXT: If C₃A and C₄AF are hydrated in the presence of carbonate microfillers (marble, dolomite, magnesite), the products change in their phase composition. The resulting new crystalline phase is a product of the chemical interaction between calcium aluminatehydrate and carbonates in aqueous medium, and has been identified as 3 CaO·Al₀·11H₂O·. The basic phase resulting from the hydration of C₃A with marble and dolomite additions consists of hexagonal crystal hydrates with refractive indices that are characteristic of calcium carboaluminate. These new formations are also found in a hydrated mixture of C₃A and magnesite. The phase prevailing

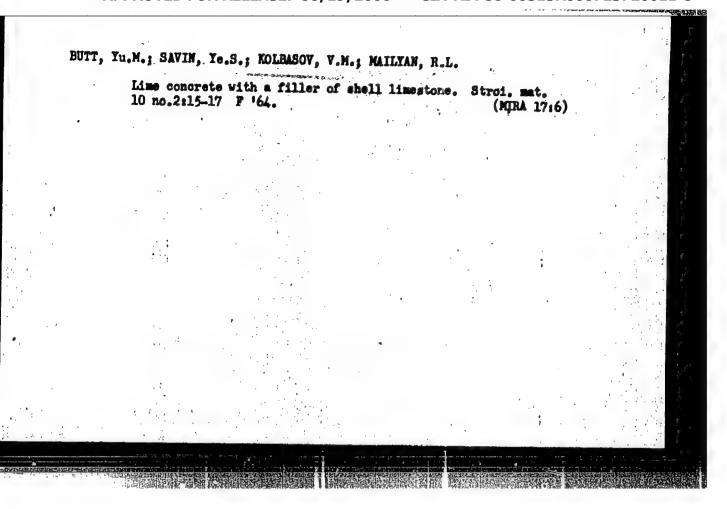
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Hydration of aluminum-containing minerals.

S/081/61/000/021/049/094 B110/B101

in the hydration of C₄AF with microfillers consists of brown isotropic iron hydroxides. Not much of C₅AH₆ is formed, and harily any at all in mixtures of C₄AF with marble and dolomite. Introducing carbonate microfillers raises the strength of C₅A and C₄AF, probably due to the formation of the abovementioned new phases. [Abstracter's note: Complete translation.]

Card 2/2



BUTT, Yu.M.; KOLEASO7, Y.M.; LACOYDA, A.V.

Hydration of aluminum-containing clinker minerals in the presence of potash. Izv. vys. ucheb. zav.; khim. 1 khim. tekh. 8 no.1: (MIRA 18:6)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva, kafedra khimicheskoy tekhnologi: vyazhushchikh materialov.

TSYPIE, M.; KOSOV, A.; KOLBASOV, Ya.; GABRILOVICE, I.; GERTSOVSKIY, Ye.

Issuing credit on payment documents in transit certified by economic organs, Den. 1 kred. 16 no.5thl-45 by '56. (NIRA 11:6)

1. Glavnyy bukhgalter Samarkandskoy oblastnoy kontory (for TSypin), 2. Glavnyy bukhgalter Entryanakogo spirto-scythoskombinata Bryanskoy oblasti (for Kosov), 3. Starshiy kreditryy inspektor Aserbaydshanskoy respublikanskoy kontory Gosbanka (for Kolbasov), 4. Glavnyy bukhgalter Belorusskoy respublikanskoy kontory Gosbanka (for Gabrilovich), 5. Glavnyy bukhgalter gorupravleniya Belorusskoy respublikanskoy kontory Gosbanka (for Gertsovskiy).

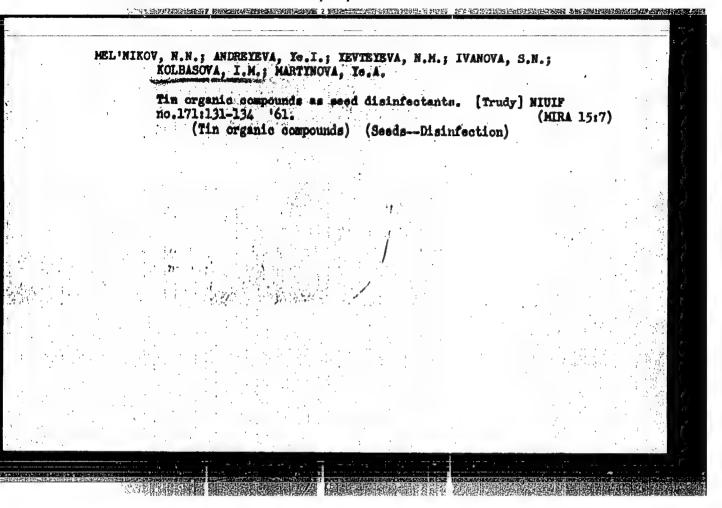
(Samarkand Province—Gredit)

SHABANOV, S.I.; KOLBASOV, Ye.V.

Study of high-speed thermal decomposition of fuels in a periodically operating plant with a solid heat-transfer agent, as exemplified by Chernovskiy lignite. Izv. Sib. otd. AN SSRR no.2:25-30 '62. (MRA 16:10)

1. Transportno-energeticheskiy institut Sibirskogo otdeleniya AN SSSR, Novosibirsk.

KOLBASOVA, A.N. Thorn test in hypertension. Sov. med. 28 no.6:13-15 Je *65. (MIRA 18:8) 1. Gospital*naya terapevticheskaya klinika (mav.- prof. V.A. Triger) Chernovitskogo meditsinskogo instituta.



CERMAN, Anna Lazarovna; KOLBASOVA, Roza Borisovna; LEVINA, Ye.S., ved. red.

[Petroleum sulfo acida; their production and use] Neftianye sul'foktsloty; proizvodstvo i primenenie. Moskva, Izd-vo "Khimiia," 1964. 143 p. (MIRA 17:6)

15(2) AUTHORS:

Kalliga, G. P., Kolbasova, V. A.

507/156-59-2-43/48

TITLE:

On the Problem of the Technology of Circonium Products by Means of the Method of Casting From Aqueous Suspensions (K voprosu tekhnologii tsirkoniyevykh izdeliy metodom lit'ya iz vodnykh suspenziy)

PERIODICAL:

Nauchnyje doklady vysshey shkoly. Khiniya i khimicheskaya tekhnologiya, 1959, Nr 2, pp 386-389 (USSR)

ABSTRACT:

This work was carried out in co-operation with the Podoliya Works for Refractories (Podol'skiy zaved egneupornykh izdeliy) and the Leningrad Institute for Physical Chemistry of Silicates of the AS USSR (Leningradskiy institut fizicheskoy khimii silikatov AN SSSR). The institute mentioned under Association systematically investigated the technology named in the title. Technical circonium-exide (analysis in Table1) was used and MgO, Ca(OH)₂ or CaCO₃ served as stabilizers. The raw material was wet-ground in a ball-mill, the ZrO₂ freed from iron through

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hydrochloric acid. The distribution of the grain-sizes in the ground circonium-oxide is shown in table 2. The optimal composition of the raw-material under variation of the humidity content

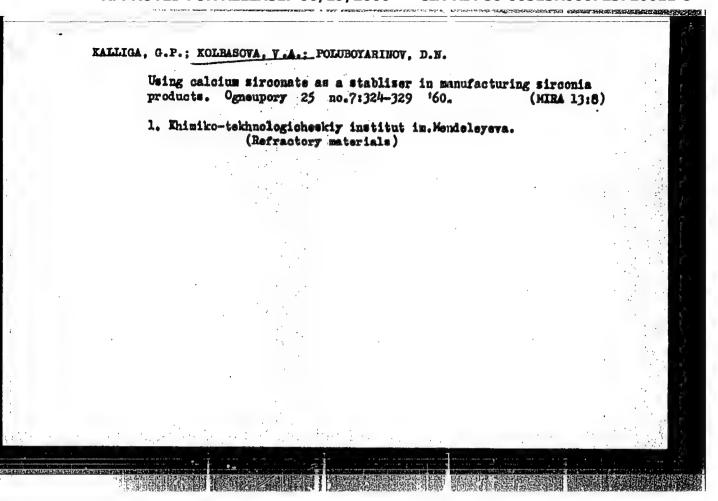
On the Problem of the Technology of Circonium Products SOV/156-59-2-43/48 by Means of the Method of Casting From Aqueous Suspensions

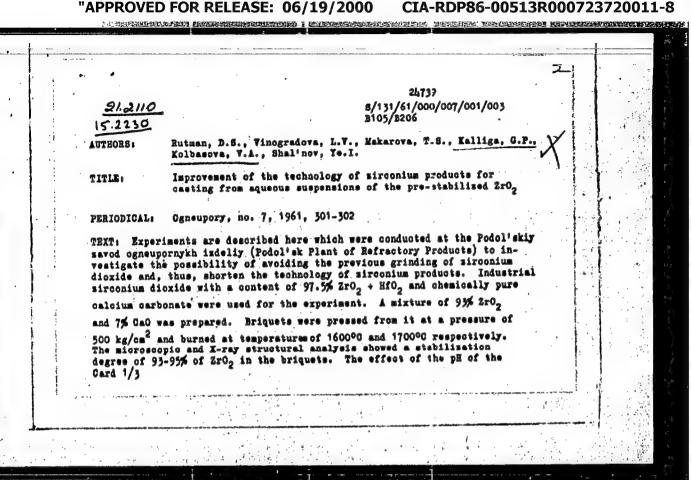
(52-60%) and the pH-value (8.0 - 9.7) of the surroundings was determined through casting tests. Specific gravity, water absorption, perosity, and shrinkage were determined after the burning (at 1720 - 1736 degrees). The results are listed in table 3. The specific gravity was 5.26-5.29 g/cm³, the water absorption 0.2 - 0.6%. The optimal humidity content was 60% at a stabilization through MgO, 42% with CaCO₃ as stabilizer. The shrinkage was approximately 25% when CaCO₃ was used, and was by 7% lower than with MgO. The bigger statility, smaller humidity of the raw-material and smaller shrinkage by adding CaCO₃ indicate its being the most suitable stabilizer in comparison with MgO. There are 1 figure, 4 tables, and 8 references, 3 of which are Soviet.

PRESENTED BY:

Kafedra tekhnologii keramiki i ogneuporov Moskovskogo khimikotekhnologicheskogo instituta im. D. I. Mendeleyeva (Chair for Technology of Ceramics and Refractories Moscow Institute for Chemical Technology imeni D. I. Mendeleyev) November 18, 1958

SUBMITTED: Card 2/2





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Improvement of the technology ...

medium on the viscosity index of the crude mirconium mass was also tested. The particles are characterized by high values of the E potential, which cause the stability of the crude mass. With the parameters mentioned, an experimental batch of crucibles with a content up to 300 cm³ was cast. The characteristic values of the blanks and of the products burned for 9 hr at 1600°C are compared in the table with the characteristic values for previous grinding of $2rO_2$ and riming before stabilization. The duration of the production cycle is shortened by about ten days and grinding and rinsing of $2rO_2$ previous to preparation for stabilization are omitted. The use of stabilized $2rO_2$ without previous grinding showed that the sintering ability of the material was slightly improved. There are 1 figure and 1 table.

ASSOCIATION: Podol'skiy savod ogneupornykh isdeliy (Podol'sk Plant of Refractory Products) D.S. Rutman, L.V. Vinogradova, T.S. Makarova; Khimiko-tekhnologicheskiy institut im. Mendeleyeva (Chemical-technological Institute imeni Mendeleyev) G.P. Kalliga, V.A. Kolbasova, Ye.I. Shal'nov.

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15 2230 21.2110 AUTHORS:

Kalliga, G. P., Kolbasova, V. A., Poluboyarinov, D. N.

TITLE:

Peculiarities of the casting technology for sirconium products

PERIODICAL: Ogneupory, no. 1, 1962, 28-34

TEXT: An investigation conducted jointly with the Podol'skiy zavod ogneupornykh izdeliy (Podol'sk Plant of Refractory Products) dealt with the following processes: (1) Dressing of the raw material, (2) its acid treatment and the casting process in various media. Experiments were conducted with zirconium dioxide (97.5% ZrO₂, 1.15% TiO₂) which was stabilized by admixture of 6% CaO. Industrial ZrO₂ and CaCO₃ were used as initial materials. Zirconium dioxide was ground, washed with HCl, and brought to pH = 3 with water. CaCO₃ was ground in a corundum mill. Briquettes were molded from these materials at 500 kg/cm², and fired at 1750°C. Two types of initial dross were used: alkaline with pH = 10.5 and acid with pH = 1.5-1.7. The casting properties of alkaline and acid dross were determined. L. G. Markaryan, V. I. Markaryan, L. M. Privina, Card 1/2

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Peculiarities of the casting ...

and M. I. Minkina assisted with this study. Alkaline dross has poor casting properties. When using acid dross, washing with HCl may improve casting properties, increase the density of the blanks, and reduce shrinkage during firing. A moisture of about 30% and pH = 1.5-2.0 were found to be most suitable for the casting of dross from stabilized ZrO₂ washed with HCl, the density of the casting being 2.8 g/cm³ and that of the fired product 5.45 g/cm³. 2-4 days' storage after washing increases the density of the blanks by up to 0.2 g/cm³. There are 5 figures, 4 tables, and 11 references: 7 Soviet and 4 non-Soviet. The four references to English-language publications read as follows: C. E. Curtis, Journ. Am. Cer. Soc., 1947, 30, no. 6; St. Pierre, Trans. Brit. Cer. Soc., 1952, 51, 260; M. A. Schwartz, G. D. White, C. E. Curtis, Atomic Energy Comp. Inform. Service Oak Ridge. 1953, 1354, 28; B. C. Weber, P. E. Rempes, M. A. Schwartz, Journ. Am. Cer. Soc. 1958, 37, no. 7.

ASSOCIATION: Khimiko-tekhnologicheskiy institut im. Mendeleyeva (Institute of Chemical Technology im. D. I. Mendeleyev)

Card 2/2

KCLBASOVA, V.K.; LYAMINA, V.P., stershiy neuchnyy sotrud.; MAKAROV, A.S.; SHRPBLEVA, N.A., stershiy neuchnyy sotrud.; SHPINDLER, N.A., kend. ekon. neuk. red.; BELOV, N., red.; TROPINOVA, Z., tekhn.red.

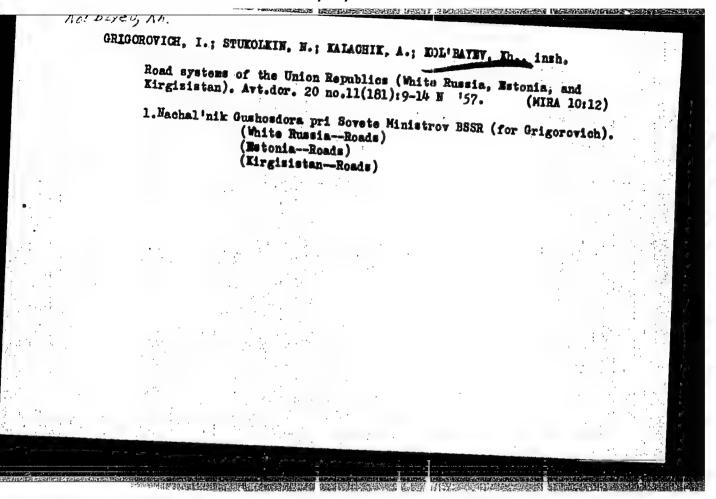
[Workers' control and nationalisation of the industry in the Kostroma Government; collection of documents, 1917-1919] Rabochii kontrol' i natsionalisatsiia promyshlennosti v Kostromakoi gubernii; abornik dokumentov, 1917-1919 gg. Kostroma, Kostromakoe knishnoe isd-vo, 1960. 223 p. (MIRA 14:5)

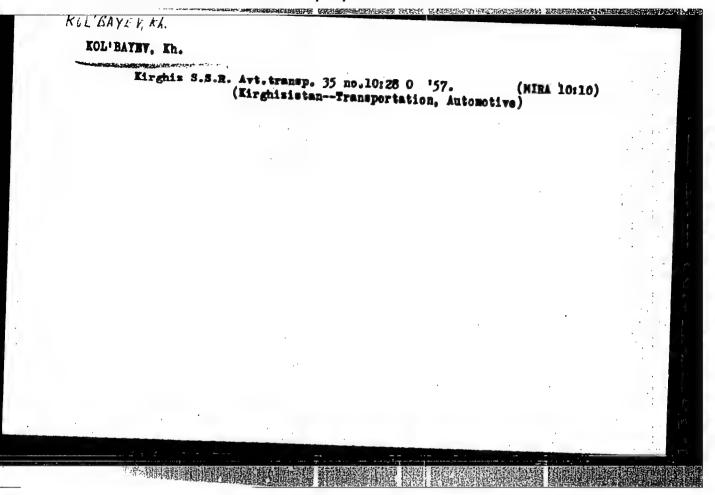
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1. Kostroma (Province) Upravleniye vnutrennikh del. Arkhivnyy otdel. 2. Machal'nik Gosudarstvennogo arkhiva Kostromskof oblasti (for Kolbasov) 3. Machal'nik Arkhivnogo otdela Upravleniya vnutrennikh del Kostromskogo oblispolkoma (for Makarov) 4. Arkhivnyy otdel Upravleniya vnutrennikh del Kostromskogo oblispolkoma (for Shepeleva, Lyamina)

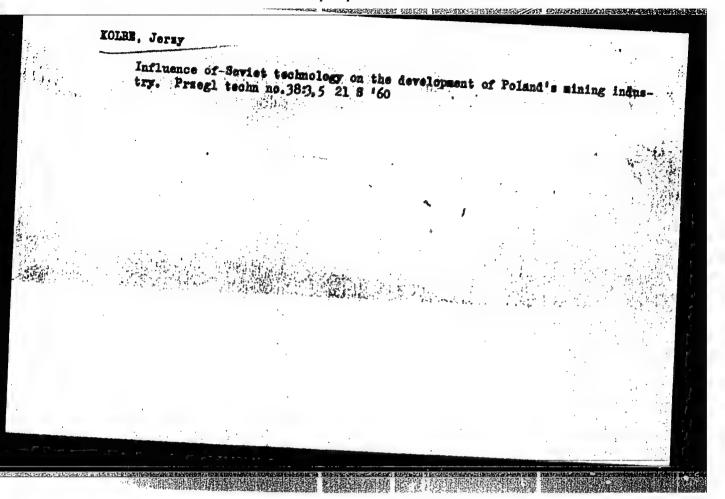
(Kostroma Province--Works councils) (Kostroma Province--Industries)

KOLBASYUK, N. On the agenda is the training of machine operators. Prof.-tekh. obr. 21 no. 4:8-9 Ap '64. (MIRA 17:5) 1. Otvetstvennyy organizator TSentral'nogo komiteta Vsesoyuznogo Leninskogo kommunisticheskogo soyuza molodezhi.





New highways are needed for the growing national economy of Kirghisistan. Avt.dor. 27 no.1:13-14 Ja '64. (MIRA 17:4) 1. Ministr avtomobil'nogo transporta i shosseynykh dorog Kirgizskoy SSR.



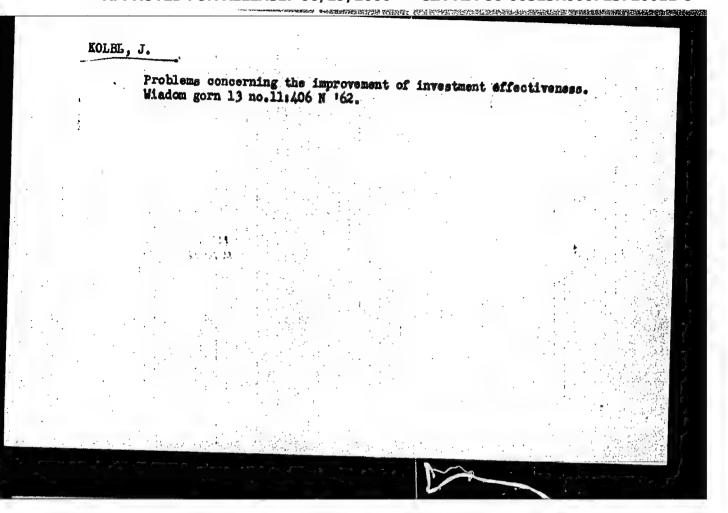
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KRUPINSKI, Boleslaw, prof. dr; BORECKI, Marcin, prof. mgr inz.; KOLBE, Jerzy, prof. dr inz.; MUSZKIET, Tadeusz, mgr inz.

The coal industry of the Netherlands. Przegl gorn 20 no.4:144-157

KOLEE, Jerzy, dr. inz.

Over one billion of sloties saved as result of corrected documentation of designs and estimated costs in the administration of mining and power industry. Wiad gorn 13 no.1:15-17 Ja '62.



KULASHIN, Ye., starshiy inzh.; KOL'BE. N.

Re-equipment of "Kazbek"-type tankers for the transportation of liquid ammonia. Mor. flot 22 no.3:34-36 Mr 162. (MIRA 15:2)

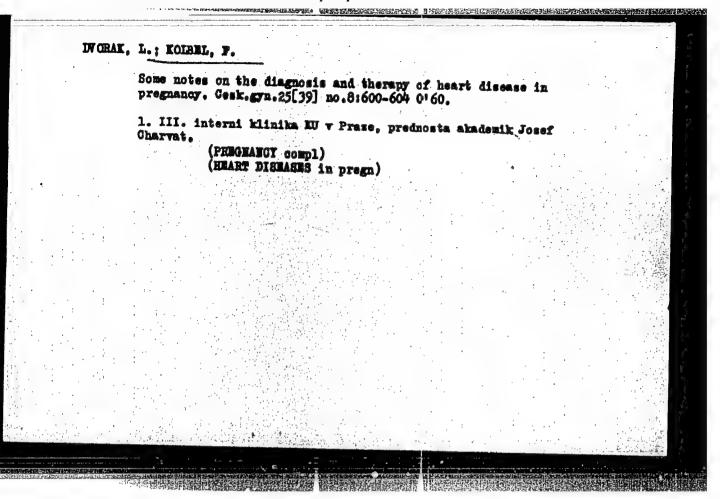
1. Chornomorskoys parokhodstvo (for Kulashin). 2. Kapitan teplokhoda "Frunze" (for Kolbe).

(Tank vessels)
(Ammonia--Transportation)

FAYVILEVICH, G.A.; SMIRNOV, Yu.I.; KOL'BE, S.S.

High-temperature metallography with motion-picture photography.

Shor. trud. TSNIICHM no.38:16-21 '64. (MIRA 18:3)



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SOBRA, Josef; KOLBEL, Frantisck; PROCHAZKA, Bohrslav; SEDLAKOVA, Eva; SULC, Miloslav

Congenital lipid metabolism disorders. V. Familial hypercholesterolemic manthomatosis — blood cholesterol and phospholipid level. Cas.lek.cesk 100 no.29/30:928-932 14 J1 161.

1. III. interni klinika KU v Praze, prednosta akademik Josef Charvat, IV. interni klinika KU v Praze, prednosta prof. dr. Mojmir Pucik, Angiologicka laborator KU v Praze, reditel prof. dr Bohumil Prusik.

(LIPOIDOSIS blood) (CHOLESTEROL blood)
(PHOSPHOLIPIDS blood)

SOBRA, Josef; KOLBEL, Frantisck; PROCHAZKA, Bohuslav; SEDLAKOVA, Bya;

Congenital lipid metabolism disorders. VI. Familial hypercholesterolemic xanthomatosis — the lavel of lipemia, esterified fatty soids and lipoproteins in the blood. Cas.lek.cesk 100 no.29/30:933-936 14 Jl 161.

1. III. interni klinika KU v Praze, prednosta akademik Josef Charvat, IV. interni klinika KU v Praze, prednosta prof. dr. Mejmir Fucik, Angiologicka laborator KU v Praze, reditel prof. dr. Bohumil Prusik.

(LIPOIDOSIS blood) (LIPOPROTEINS blood)
(FATTY ACIDS blood)

SOBRA, Josef; KOLBEL, Frantisck

Congenital disorders of lipid metabolism. II. Familial hypercholesterolemic xanthomatosis - clinical study. Acta univ. carol. [med.] no.7: 823-832 '61.

1. III. interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta akademik J. Charvat.
(LIPOIDOSIS)

DVORAK, L.; DVORAKOVA, M.; JIRANKOVA, J.; KOLDEL, F.; VANCURA, P.

Incidence and prognosis of myocardial infarct in a sampling of the Prague population in recent years. Cas. Lek. Cesk. 101 no.9:267-272 2 Mr '62.

1. III interni klinika KU v Prase, prednosta akademik Josef Charvat, Ustav organizace zdravotnictvi v Prase, prednosta prof. dr. Vaclav Prosek.

(MYOCARDIAL INFARCT statist)

KOLBEL, Frantisek; KUCHEL, Oto; GREGOROVA, Inge

On the problem of the effect of so-called "SEF" substance (Salt excreting factor, 3/6-1600-dihydro-5-pregnane-20-one. Cas. lek. cesk. 101 no.31:959-962 27 J1 162.

1. III interni kliniki fakulty vseobecneho lekarstvi KU v Praze, prednosta akademik J. Charvat. Laborator pro endokrinologii a metabolismus v Praze, reditel akademik J. Charvat.

(STEROIDS pharmacol) (SODIUM metab)
(POTASSIUM metab) (ADRENALECTOMY exper)

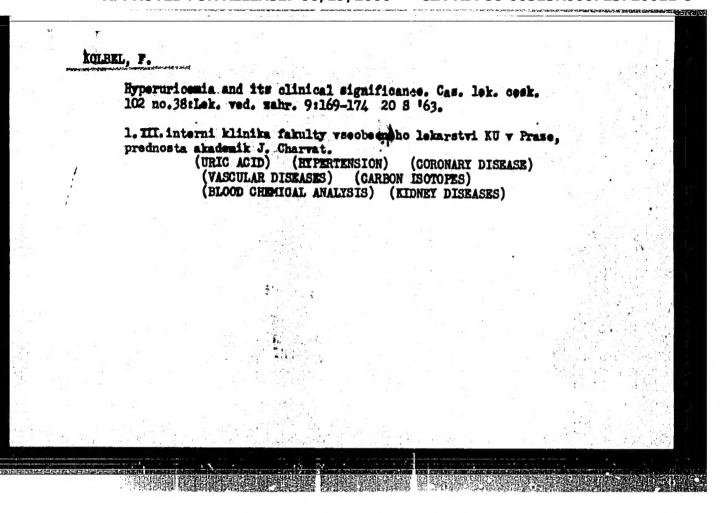
SILINKOVA-MALKOVA, Eva; DVORAK, Ladislav; KOLEEL, Frantisek; KAPITOLA, Jiri

Pulmonary hypertension in mitral defects in the roentgenological picture. Cas. lek. cesk. 101 no.40:1196-1200 5 0 '62.

1. III interni klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta akademik J. Charvat.

(HTPERTENSION PULMONARY) (MITRAL STENOSIS)

Wric acid metabolism in man. Cas. lek. cesk. 102 no.12;46-52 22 Mr '63. 1. III. interni klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta akademik J. Charvat. (URIC ACID) (METABOLISM) (PURINES) (KIDNEY)



SOBRA, J.; KOLBEL, F.; KAPITOLA, J.; PROCHAZKA, B.; SEDLAKOVA, E.; SULC, M.

Genealogical study of familial hypercholesterolemic xanthomatosis. Acta univ. Carol. [med] (Praha): Suppl. 18: 165-169 '64.

1. III. interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze (prednosta: akademik prof. dr. J. Charvat); IV. interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze (prednosta: prof. dr. M. Fucik) a Angiologicka laborator fakulty vseobecneho lerakstvi University Karlovy v Praze (reditel: prof. dr. B. Prusik).

